

B¹
cont

5. (Amended) Method according to Claim 1, characterized in that the melamine melt is cooled to a temperature which is from about 1 to 50°C above the melting point of the melamine, at an ammonia pressure of from about 50 to 1000 bar while feeding in ammonia.

A¹
cont

6. (Amended) Method according to Claim 1, characterized in that the melamine melt is cooled to a temperature which is from about 1 to 30°C above the melting point of the melamine.

7. (Amended) Method according to Claim 1, characterized in that the melamine melt is cooled to a temperature which is from about 1 to 50°C above the melting point of the melamine, by passing in ammonia for from about 1 min to 10 h.

8. (Amended) Method according to Claim 1, characterized in that quenching is effected in stage a) at a temperature of from about 25°C to 300°C, preferably from about 50°C to 200°C and a pressure of from about 1 to 100 bar, preferably from about 1 to 50 bar.

9. (Amended) Method according to Claim 1, characterized in that quenching is effected in stage b) at a temperature of from about 200°C to 270°C and a pressure of from about 1 to 100 bar, preferably from about 1 to 50 bar and further cooling is then effected in the second step to about 50°C to 200°C.

10. (Amended) Method according to Claim 1, characterized in that melamine and urea are washed out of the off-gases of the melamine reactor by means of a urea melt which simultaneously heats up, and the urea melt is then fed to the melamine synthesis in a melamine reactor and the off-gases are fed to a urea reactor.